

REMARKS

Claims 1-8 and 10 are pending in the application and stand rejected. Claims 1-3, 5-8 and 10 are amended. No new matter is added. In light of the aforementioned amendments and following remarks, Applicant earnestly solicits favorable consideration.

Interview Summary Under 37 C.F.R. § 1.133

Applicant thanks the examiner for courteously conducting an interview with applicant's representative on February 12, 2009. During the interview, the phrase "characteristic movement of each player," was discussed. Applicant explained that this phrase was indicated of movements of the respective players. For example, as the examiner noted in his interview summary dated February 17, 2009, those movements could be a forehand, backhand, overhead swing, etc.

Additionally applicant's representative also discussed applicant's response dated November 7, 2008. This response included the following passages, helping to explain what constituted a characteristic movement and how it distinguished from the cited references.

For the image recognition apparatus to be capable of recognizing images including an image of more complicated movement of each player, it is desirable that the play event information obtaining section include a play event index.... (Page 5 of application.)

See also page 17 where it states:

Furthermore specifically, the players' basic movement, such as "forehand swing," "backhand swing" and "overhead swing," are identified by totally

judging the positional relativity between each player's position and the ball position and the positional relation between each player's position and each of the court lines and net lines at the time of ball hitting.

Thus, applicant submits that a characteristic movement of a player, includes such movements as a "forehand swing," "backhand swing," and "overhead swing," for example.

Applicant respectfully submits that *Pingali* does not disclose or fairly suggest this feature. In particular, *Pingali* only seems to deal with *tracking the ball flight*, not movement of the respective players. As such, Applicant respectfully submits that *Pingali* does not disclose the claimed invention, particularly, recognizing characteristic movements of the players. Applicant further points to the title of the *Pingali* disclosure: **Ball Tracking** and Virtual Replays for Innovative Tennis Broadcasts. (Emphasis added.)

Applicants note that the Examiner agreed that if the characteristic movement of the players meant for example, recognizing a forehand swing, backhand swing, overhead swing etc., that the cited references would not disclose the claimed invention.

Claim Rejections - 35 U.S.C. § 112

Claims 1-8 and 10 stand rejected under 35 U.S.C. 112, second paragraph for containing indefinite limitations in using the phrase "configured to"(e.g., "a score information obtaining section configured to obtain score information..." at claim 1, emphasis added).

Applicant has amended the rejected claims to positively recite the respective features, thus rendering the rejection moot. Applicant therefore asks that the rejection be withdrawn.

On the Merits

Claim Rejections - 35 U.S.C. § 103(a)

Claims 1-2 and 10 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Ball Tracking and Virtual Replays for Innovative Tennis Broadcasts, 15th International Conference on Pattern Recognition, 2000, Proceedings, Vol. 4, pg 152 - 156 (hereinafter “Pingali”) in view of U.S. Patent No. 6,101,274 (issued August 8, 2000, hereinafter “Pizano”).

Claims 3-8 stand rejected under 35 U.S.C. 103(a) as being unpatentable over *Pingali* in view of *Pizano* and Automatic Classification of Tennis Video for High-level Content-based Retrieval, Proceedings of the 1998 International Workshop on Content-Based Access of Image and Video Databases (CAIVD '98), 1998, pp 81 - 90 (hereinafter “Sudhir”).

As discussed above, the examiner has indicated to applicants that the respective references do not disclose the claimed feature. Applicant incorporates by reference the arguments submitted in the response dated November 7, 2008.

As such, applicant asks that the rejection be withdrawn and the application allowed.

Application No.: 10/522,236
Art Unit: 2624

Amendment under 37 C.F.R. §1.111
Attorney Docket No.: 052033

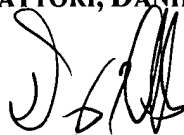
In view of the aforementioned amendments and accompanying remarks, Applicants submit that the claims, as herein amended, are in condition for allowance. Applicants request such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicants' undersigned attorney to arrange for an interview to expedite the disposition of this case.

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP



Dennis M. Hubbs

Attorney for Applicants

Registration No. 59,145

Telephone: (202) 822-1100

Facsimile: (202) 822-1111

DMH/rer/ttw